

Presenting

NPCL SAUR MITRA

Peer to Peer Energy Trading

A Platform to Buy/Sell Green Energy



WHY PEER-TO-PEER

Reimagining How Solar Energy Is Bought and Sold

Rooftop solar is growing faster than the grid was designed for. P2P trading turns every prosumer into a participant in a local energy market — decentralizing supply and putting choice back with the consumer.



Decentralize Solar

Open up distributed generation instead of routing every unit through a single utility flow.



Power of Choice

Let consumers choose their source of supply — cleaner energy, at a better price.



Promote Competition

A transparent market where price is discovered by participants, not dictated.



Lower Cost, Lower Carbon

Reduce the cost of electricity while advancing sustainability targets with blockchain trust.

Introducing the NPCL Saur Mitra Platform

Saur Mitra is NPCL's peer-to-peer online energy-trading platform — a guided, fully digital journey from onboarding to settlement, built to make solar trading simple and trustworthy.



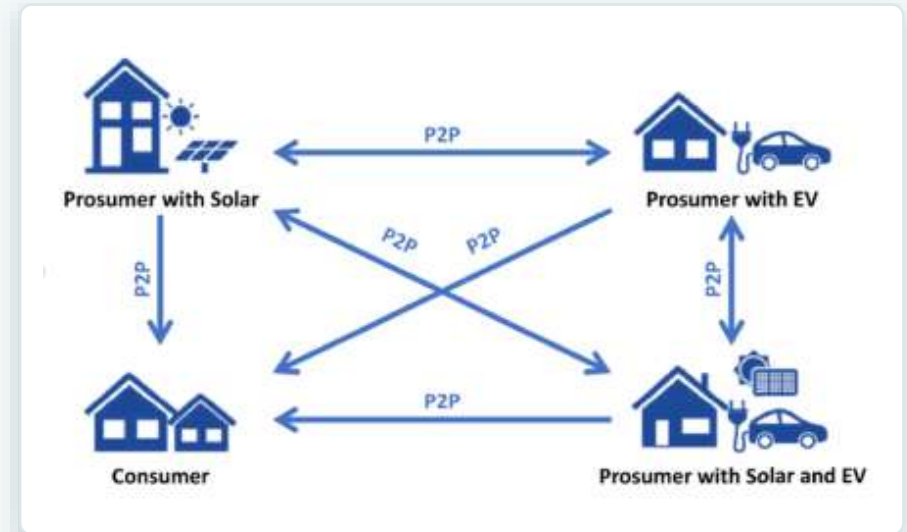
Objective

Guide prosumers and consumers through onboarding to the P2P platform — improving user experience and trading efficiency.



Who is a Participant?

Any consumer registered with the distribution licensee (NPCL) and enrolled in the Peer-to-Peer Energy Trading application.





FOUNDATION

The Technology Behind the Trust

Blockchain and Hyperledger give every energy trade a secure, transparent and tamper-proof record



What Is Blockchain?

A shared, immutable ledger that records transactions and tracks assets across a business network — so trades are verified by the network rather than a central authority.



Decentralized

Peer-to-peer trading of solar energy — faster, more efficient settlement.



Smart Contracts

Automated contracts execute trades the moment conditions are met, removing manual intervention.



Secure Transactions

Cryptographic security makes every transaction tamper-proof, preventing fraud and unauthorized access.



Traceability

Every transaction is recorded, giving a transparent and fully auditable history of energy trades.

Four Types of Blockchain



Public

Permissionless

Open to anyone to join, validate and read. Bitcoin (digital currency) and Ethereum (smart contracts & DApps) are prime examples.



Private

Permissioned

Restricted and controlled by a single organization; only selected participants join. Hyperledger Fabric is widely used by enterprises.



Consortium

Semi-decentralized

Governed by a group of organizations sharing control under a permissioned model. R3 Corda serves financial institutions.



Hybrid

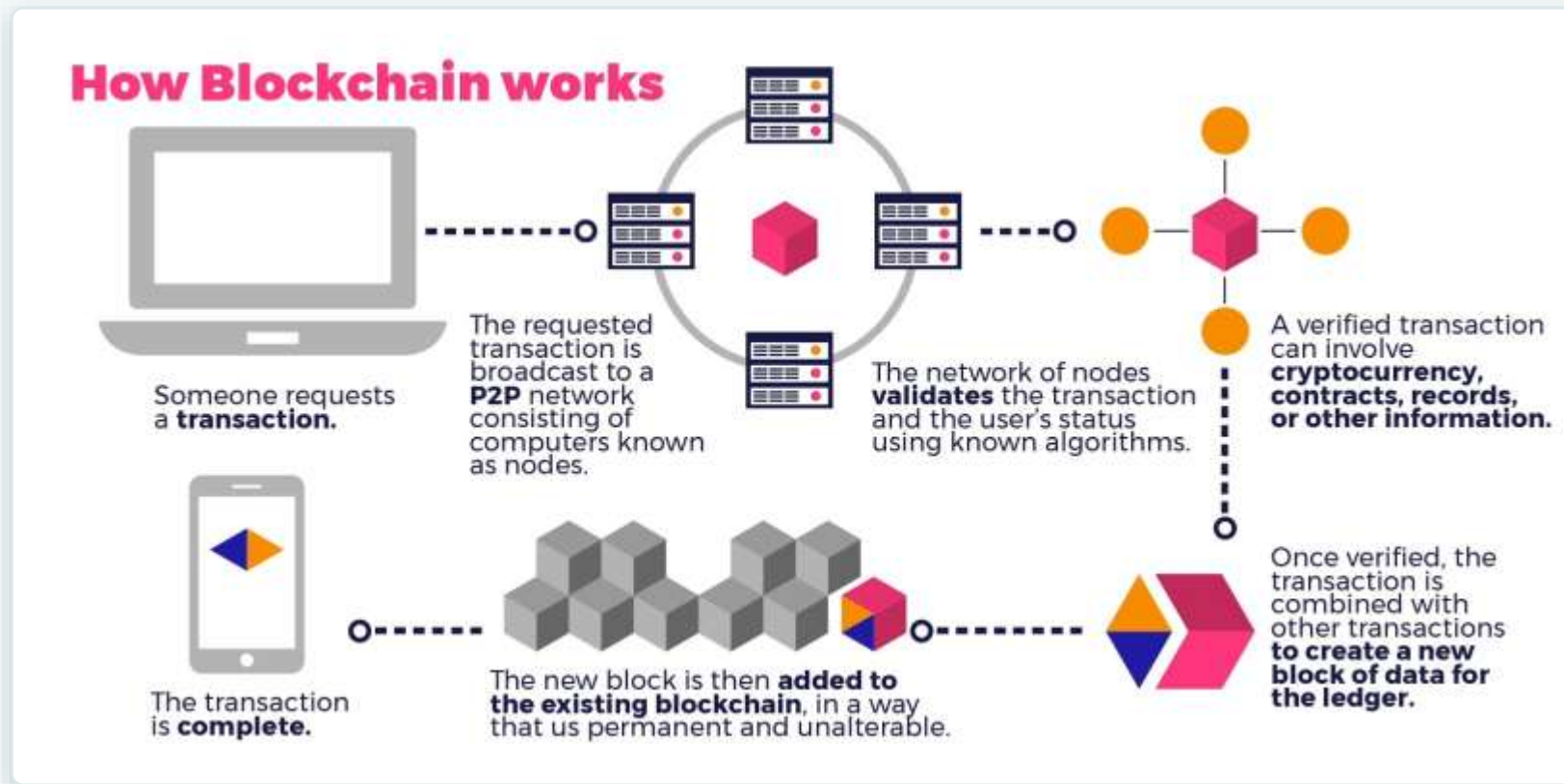
Public + Private

Combines both models — some data kept public, some private. Dragonchain lets a business choose what to share.

FOUNDATION

How Blockchain Works

A transaction is requested, broadcast to a network of nodes, validated, and — once verified — added as a permanent block to the existing chain.



Introduction to Hyperledger

Hyperledger is a global, open collaboration for building enterprise-grade, permissioned distributed-ledger frameworks — letting NPCL create a secure, customized blockchain network for energy trading.

WHY HYPERLEDGER?

- Improves the efficiency, performance and throughput of business processes.
- Provides the infrastructure and standards to build blockchain systems for industrial use.
- Removes the complexity of contractual agreements — legal issues are handled in code.
- Offers physical separation of sensitive data.
- Reduces verification effort and builds trust, optimizing scalability.



Hyperledger Technology Layers



Consensus Layer

Agrees on the order of transactions and confirms the correctness of each block.



Smart-Contract Layer

Processes transaction requests and authorizes valid transactions.



Communication Layer

Handles peer-to-peer message transport across the network.



Identity Management

Establishes trust between participants on the blockchain.



API Layer

Lets external applications and clients interface with the blockchain.



THE CONCEPT

Peer-to-Peer Solar Energy Trading

A decentralized market where neighbours buy and sell surplus rooftop solar directly — secure, transparent and on their own terms.

How P2P Solar Energy Trading Works

A decentralized system where individuals buy and sell excess solar energy directly with one another — every trade secured and made transparent by blockchain.



Direct Transactions Producers — like homeowners with solar — sell surplus directly to other consumers.



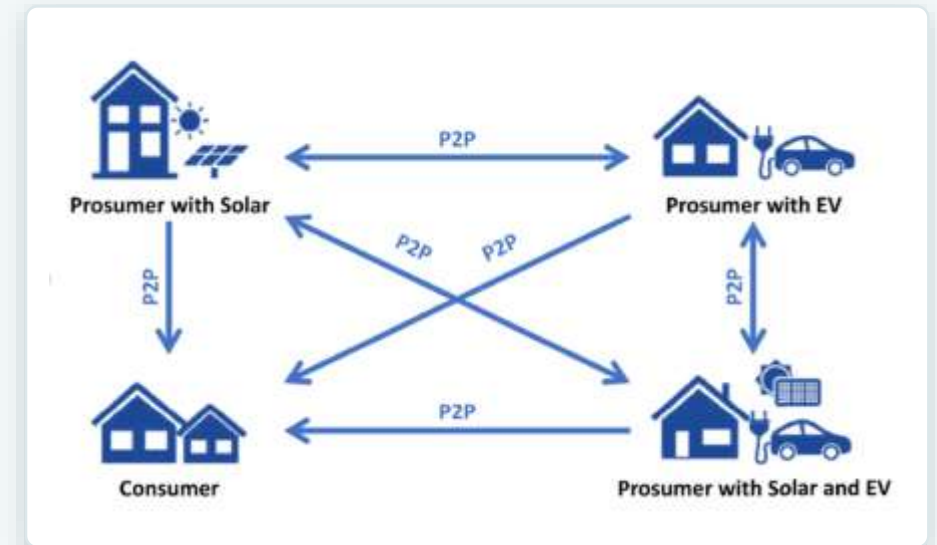
Cost Efficiency Removing the middleman lowers costs for both buyers and sellers.



Flexibility Participants set their own terms — pricing and who they trade with.



Sustainability Encourages renewables and reduces reliance on fossil fuels.





GETTING ON BOARD

The User Journey on Saur Mitra

From the NPCL website to a verified trading account — onboarding, eligibility, registration and login, step by step.

03

Getting Started — Signing In

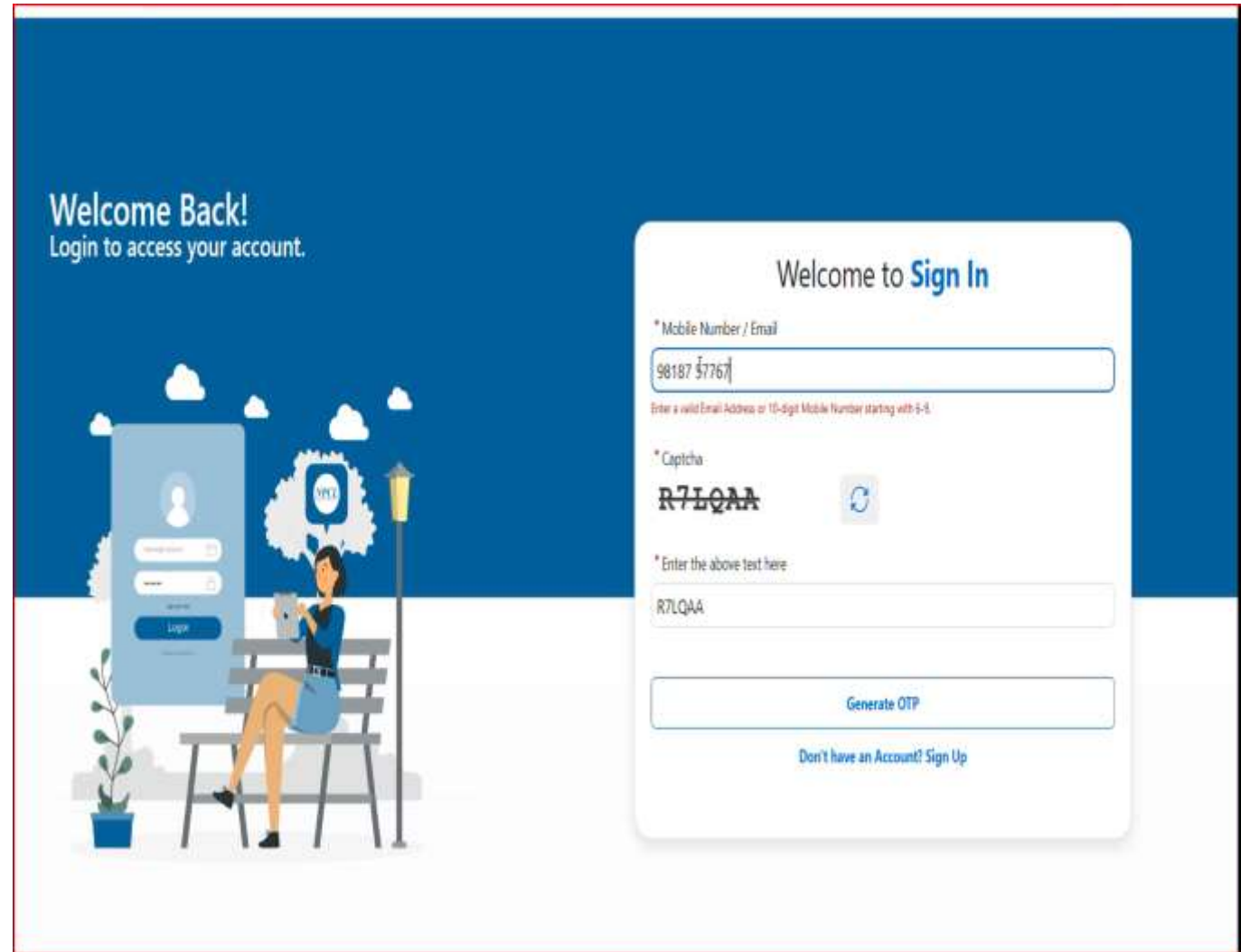
Reach the platform from the NPCL website and sign in with a registered identity.

OPTION A — MOBILE OTP

- 1 Visit noidapower.com and click Sign In
- 2 Enter registered mobile number & captcha
- 3 Generate OTP, then Sign In

OPTION B — EMAIL & PASSWORD

- 1 Click the banner on the homepage
- 2 Enter registered email ID & password
- 3 Click Sign In



The image displays the NPCL Sign In interface. On the left, a blue banner reads "Welcome Back! Login to access your account." Below the banner is an illustration of a woman sitting on a bench, looking at a smartphone. To her right is a large, semi-transparent sign-in form. The form has a white background and a blue border. It contains the following elements: a title "Welcome to Sign In", a label "* Mobile Number / Email" above a text input field containing "98187 57767", a red error message "Enter a valid Email Address or 10-digit Mobile Number starting with 9-8.", a label "* Captcha" above a captcha image showing "R7LQAA" and a refresh button, a label "* Enter the above text here" above a text input field containing "R7LQAA", a "Generate OTP" button, and a link "Don't have an Account? Sign Up".

USER JOURNEY

Accessing Peer-to-Peer Trading

- On the dashboard, the P2P Trading option is shown — enabled only for eligible users.
- Selecting Peer-to-Peer Trading opens the P2P onboarding screen, where the user's details are displayed for review.



Eligibility-gated

The trading option appears only for consumers who meet the criteria.

The left screenshot shows the 'Account Information' page. The sidebar menu on the left has 'Peer-to-Peer Trading' highlighted with a red box and an arrow. The main content area displays account details for consumer 30000894, including a table with columns: Consumer No, Outstanding Amount, and Due Date. The table shows a value of 11.71 for the outstanding amount and 02.06.2025 for the due date. Below the table, there are fields for Consumer Number, Name, CO, Premises Address, Mobile No, Email ID, Contact No, Contact V/C, Current Status, Contractual Load, Voltage, and Meter Type.

The right screenshot shows the 'Peer to Peer Trading' onboarding screen. It features a banner for 'NPCL SAUR MITRA' and 'Green Energy'. Below the banner, there is a form to review user details for consumer 30000895. The form includes fields for Consumer Number, Name, Mobile No, Email ID, and Premises Address. A 'Proceed' button is at the bottom right.

USER JOURNEY

Eligibility Criteria for P2P Trading

To participate, both prosumers and consumers must meet the following criteria:



Prosumer — Additional

- Grid connectivity through Net Metering or Net Billing.
- Rooftop-solar (RTS) plant capacity captured in the ERP system.



Both Prosumers & Consumers

- Must be a live, active consumer of NPCL.
- Must have cleared all outstanding dues with NPCL.
- Must have completed KYC with NPCL.

USER JOURNEY

Accepting Terms & Beginning Registration

1

Both parties review and accept the platform's Terms & Conditions.

2

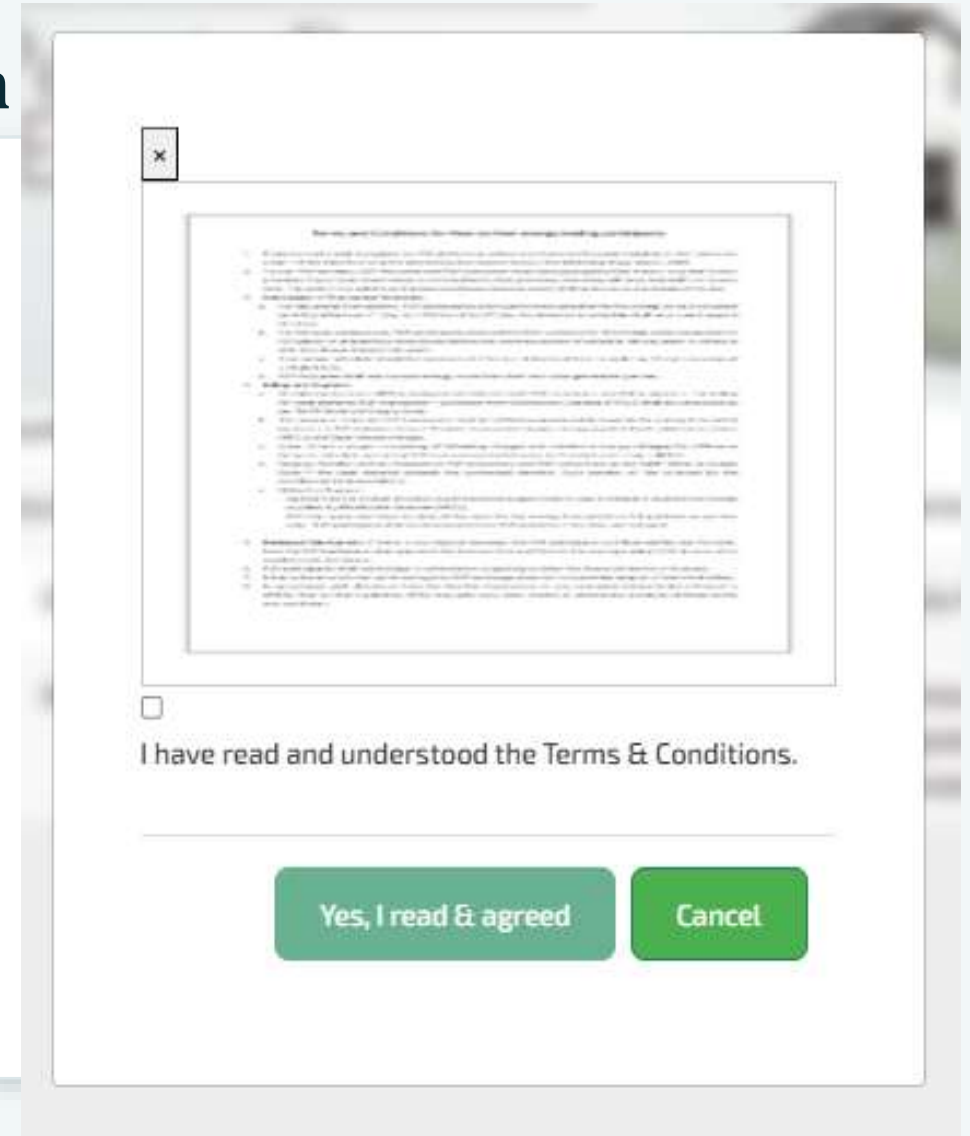
Click "Yes, I have read and agreed" to proceed.

3

Click Registration to join the Green Energy Exchange.

4

The user is redirected to the Peer-to-Peer Energy Trading platform.



The screenshot shows a modal dialog box with a close button (X) in the top-left corner. Inside the dialog, there is a large rectangular area containing a document titled "Terms and Conditions for Peer-to-Peer Energy Trading Platform". The document text is small and mostly illegible, but it appears to be a standard legal agreement. Below the document area, there is a checkbox that is currently unchecked. To the right of the checkbox, the text reads "I have read and understood the Terms & Conditions." At the bottom of the dialog, there are two buttons: a green button labeled "Yes, I read & agreed" and a green button labeled "Cancel".

USER JOURNEY

P2P User Onboarding

STEP 1 — REVIEW DETAILS

- Details are pulled automatically from the NPCL system.
- After reviewing, click Next.

STEP 2 — SET PASSWORD

- Enter and confirm a password.
- Tick "I Accept Privacy Policy".
- Click Confirm Registration.



User Onboarding

Peer-to-Peer Energy Trading Application

Please Enter Password

Password: Confirm Password:

☒ I Accept the Privacy Policy

User Onboarding

Peer-to-Peer Energy Trading Application

Consumer Name: **RADHEY SHYAM SINGH** Phone: **9898903210** Email: **utkarshyadav@hotmail.com**

Consumer Lists

2000068098	
------------	--

Consumer Number	Consumer Type	Status
2000068098	Presumer	Active

Consumer Address: **26,POCKET P7 JUDGES CULTURAL & WELFARE ORGANISATION** Pincode: **110002**

Installed Capacity: **3.62** Sanctioned Load / Contractual Load: **5**

Meters Details

 **SN00000227** 

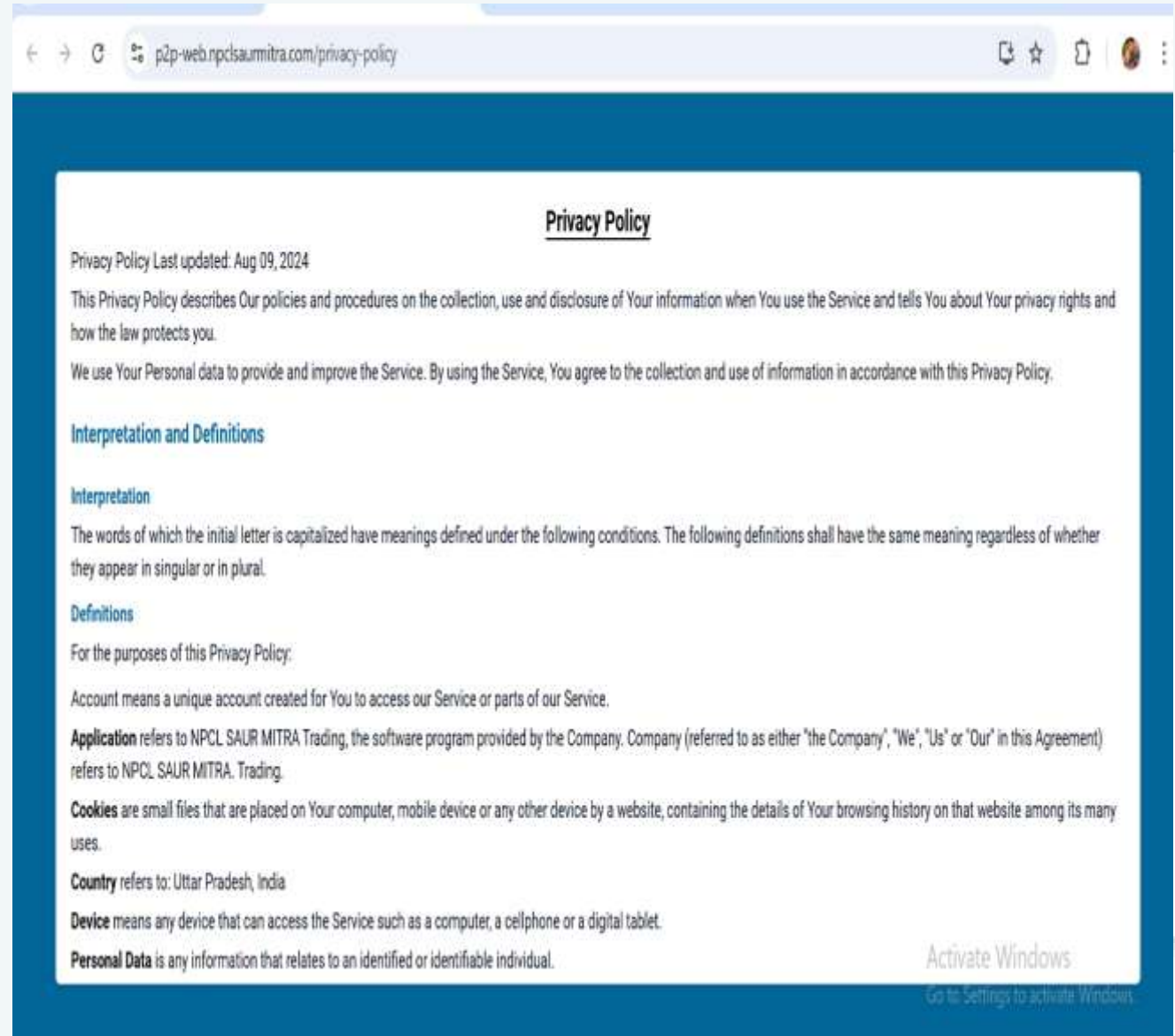
USER JOURNEY

Registration Confirmation

- Once the password is set, a confirmation pop-up is displayed.
- An email notification is sent to the registered email ID.



You're registered.



Logging In to the Platform

LOGIN

- 1 Enter consumer number and password
- 2 Accept the Privacy Policy
- 3 Click Login

OTP VERIFICATION

- 1 An OTP is sent to your email & phone
- 2 Enter the valid OTP
- 3 Click Confirm

Note: the platform is available only to registered users.



USER JOURNEY

The Consumer Dashboard

After logging in as a consumer, the dashboard surfaces savings, impact and activity at a glance:

- **Headline tiles:** Total Saving, Total P2P Purchased Energy, CO₂ avoided, Trees-equivalent.
- **Banners** and a Go to Trading shortcut.
- **Leaderboards:** top consumers and prosumers by consumption.
- **Activity graph:** ordered, traded and settled units.

NPCL SAUR MITRA

Dashboard | Last four-time blocks before the intended schedule. Trading hours are from 7:0 | TURNER RECREATIONS PRIVATE LIMITED (2000248247)

₹ 28.96 Saving | 13 kWh P2P Purchase Energy | 9.31 kg Equivalent CO₂ Emission | 0 Equivalent Tree Planted

BUY SELL Every ray of sunshine is an **Opportunity To Earn.** Start **Trading Today** and **Boost Your Income**

Monthly Top Consumer & Prosumer | Prosumer | Consumer

Platform Id	Avg Rate (₹)	Units (kwh)
CN0025	5.25	61
CN0022	5.67	16
CN0004	5.15	12

Trade Trends | Go To Trading >

Date	Time Slot	Last Traded Price (₹)	Change (%)	Trade
12 Dec	13:00-15:00	5.36	▲ 7.20 %	Trade
12 Dec	15:00-17:00	5.35	▲ 7.00 %	Trade

In association with **ORANGE CURRENT**

CRM@noidapower.com | 0120 6226666 (24 x 7)

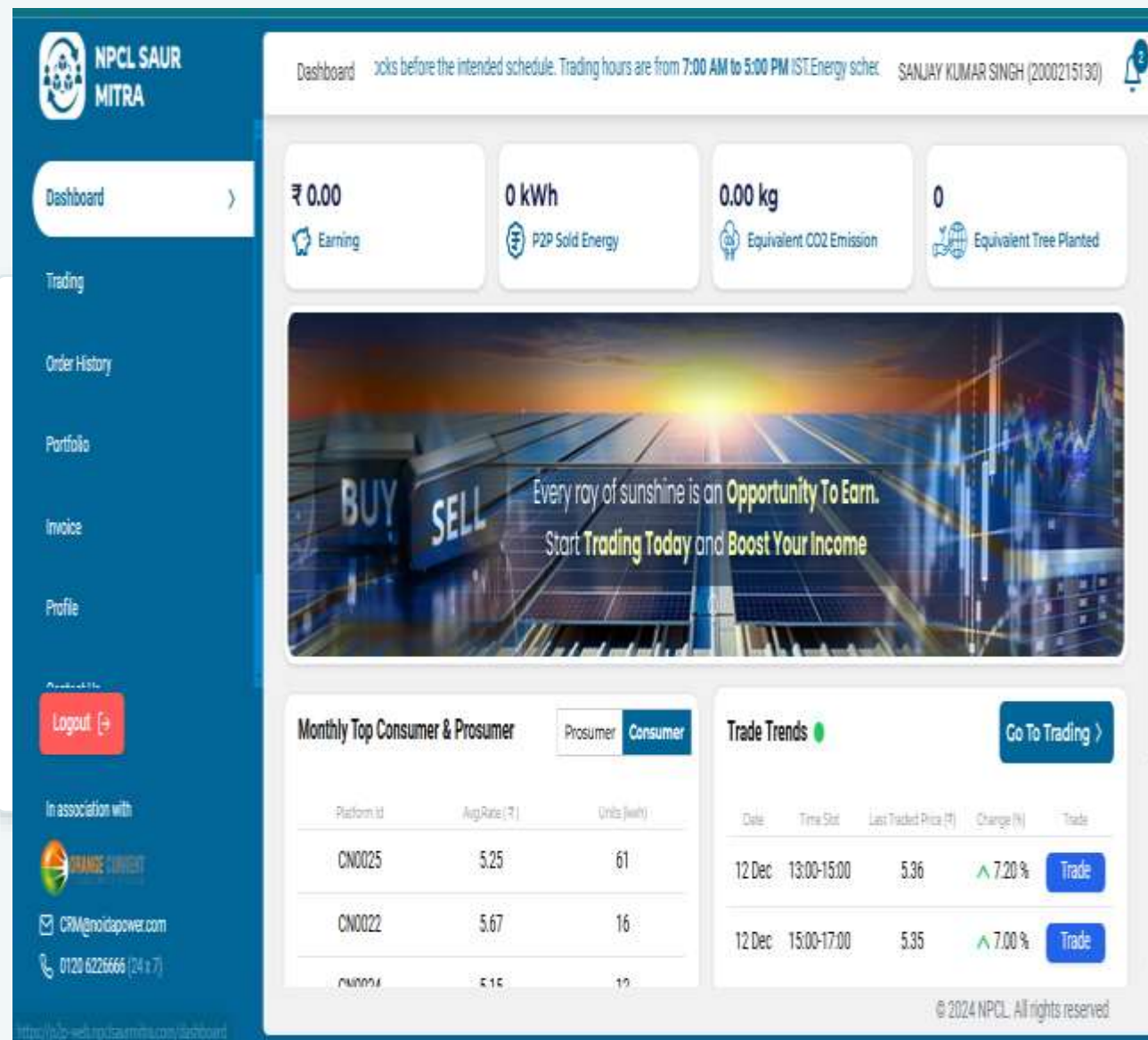
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USER JOURNEY

The Prosumer Dashboard

Logging in as a prosumer presents an earnings-focused view of the same market:

- **Headline tiles:** Total Earning, Total P2P Sold Energy, CO₂ avoided, Trees-equivalent.
- **Banners** and a Go to Trading shortcut.
- **Leaderboards:** top consumers and prosumers.
- **Activity graph:** ordered, traded and settled units.



The screenshot displays the NPCL Saur Mitra Prosumer Dashboard. The interface includes a sidebar with navigation options: Dashboard, Trading, Order History, Portfolio, Invoice, Profile, and Logout. The main content area features a top navigation bar with the user's name (SANJAY KUMAR SINGH) and a notification bell. Below this, there are four headline tiles showing: ₹ 0.00 Earning, 0 kWh P2P Sold Energy, 0.00 kg Equivalent CO2 Emission, and 0 Equivalent Tree Planted. A large banner below these tiles promotes trading with the text: "Every ray of sunshine is an Opportunity To Earn. Start Trading Today and Boost Your Income". To the right of the banner is a "Go To Trading" button. Below the banner, there are two sections: "Monthly Top Consumer & Prosumer" and "Trade Trends".

Monthly Top Consumer & Prosumer

Platform Id	Avg Rate (₹)	Units (kWh)
CN0025	5.25	61
CN0022	5.67	16
CN0001	5.15	10

Trade Trends

Date	Time Slot	Last Traded Price (₹)	Change (%)	Trade
12 Dec	13:00-15:00	5.36	▲ 7.20 %	Trade
12 Dec	15:00-17:00	5.35	▲ 7.00 %	Trade

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THE MARKET

How Trading Works on Saur Mitra

Markets, order types, matching rules and settlement — and how every trade is verified on the blockchain.

04

THE MARKET

Markets, Categories & Order Types

Two markets — each offering two trading categories, with Market or Limit order options.



Intraday

Schedules submitted the same day, at least four time-blocks before start. No changes after that.



Day-Ahead

Schedules for day n must be submitted by 17:00 hrs on day (n-1).



Dynamic Trading

Price floats with the live bids and asks of all participants.



Preferential Trading

Buyers choose their preferred seller(s) to trade with.

Order Matching Rules

How the system finds and completes trades between prosumers and consumers:



Market Orders

The system checks whether a match is possible at the current price.



Priority

Matched by price, then time — earliest order wins at equal price (first-come-first-served).



Best Orders

Highest buy price matches lowest sell price, when $\text{buy} \geq \text{sell}$.



Partial Matches

An order can partially match another, producing multiple trades.



Generation Limit

Prosumers can only trade energy up to the amount they generate that day.

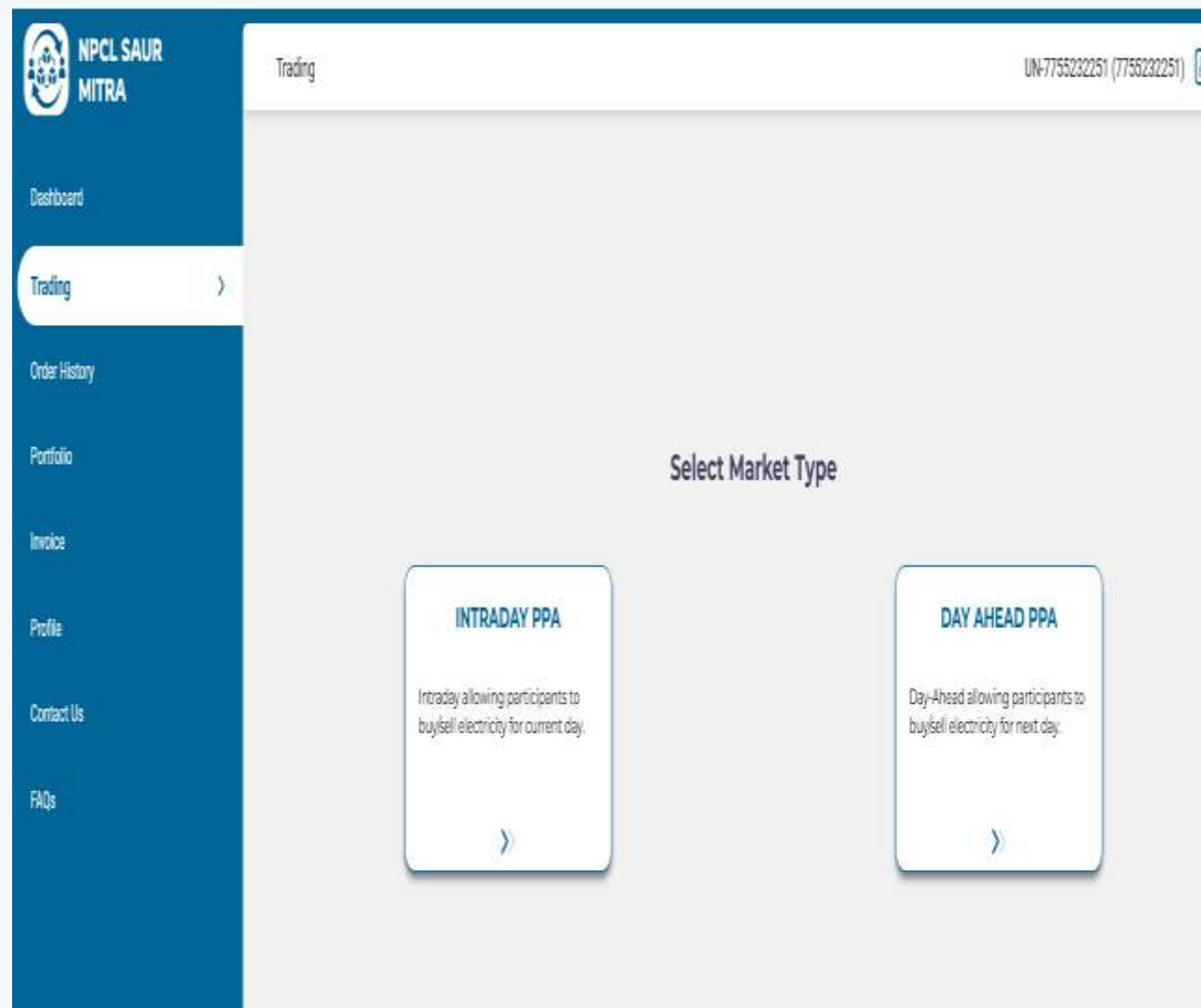
THE MARKET

The Trading Screen

- From the left menu, click Trading to open the trading screen.
- Choose a market type: Intraday PPA or Day-Ahead PPA.
- Intraday lets participants trade for the current day only; the schedule must be set at least four time-blocks before trading starts — no deviation after.
- For Day-Ahead, submit the schedule for day n by 17:00 hrs on day $(n-1)$.



Trading hours Summer (Apr–Sep) 6:00 AM–7:00 PM · Winter (Oct–Mar) 7:00 AM–5:00 PM IST



THE MARKET

Trading Types & Order Types

On selecting Intraday or Day-Ahead PPA, two categories appear — Dynamic (default) and Preferential — each placed as a Limit or Market order.



Limit Order

Participant enters both Rate (₹) and Units (kWh). The trade executes at the set price.



Market Order

Participant enters Units (kWh) only. Executes immediately at the current market price.

KEY RULES

- Minimum trade is 1 unit per slot; each slot is 2 hours.
- Only one order per slot — but it can be edited before it executes, from order history.
- Prosumers can sell only. A market order executes immediately at the current market price.

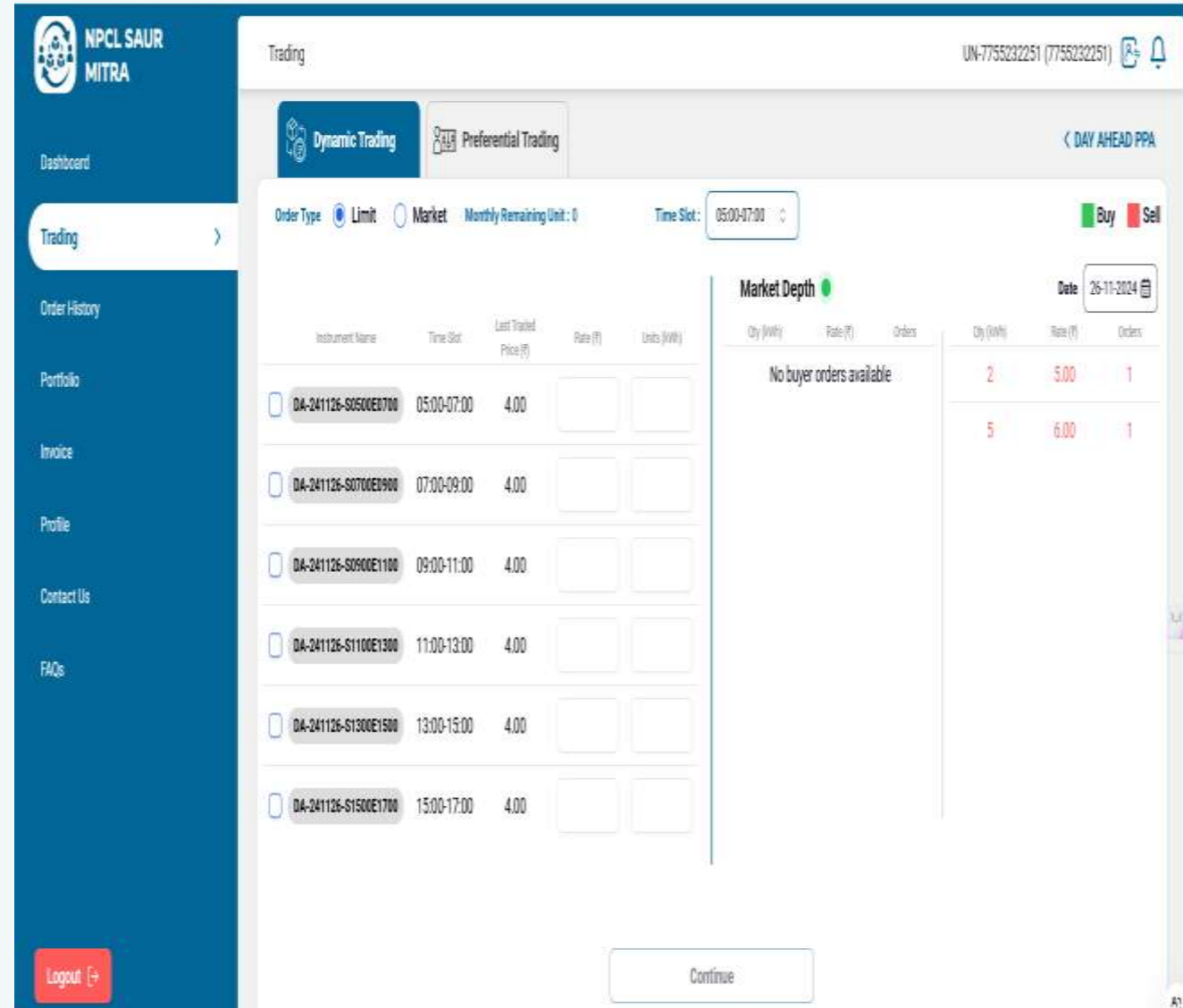
THE MARKET

Placing a Limit Order

Select order type Limit to specify exactly how much, and at what price:

- **Instrument Name** — e.g. DA-241126-S0500E0700 identifies the order.
- **Last Traded Price (₹)** shows the most recent price for that order.
- **Units (kWh)** — the consumer enters the quantity to trade.
- **Market Depth** lets the participant enter units only.

Day-Ahead: schedule energy for the next day before 5:00 PM — no changes after.



The screenshot shows the NPCL SAUR MITRA trading interface. The left sidebar contains navigation links: Dashboard, Trading (selected), Order History, Portfolio, Invoice, Profile, Contact Us, and FAQs. The main area is titled 'Trading' and features a 'Dynamic Trading' tab. The 'Order Type' is set to 'Limit'. The 'Time Slot' is '05:00-07:00'. The 'Monthly Remaining Unit' is 0. The 'Buy' button is highlighted. Below the order form, there is a table of available instruments for the selected time slot.

Instrument Name	Time Slot	Last Traded Price (₹)	Rate (₹)	Units (kWh)
DA-241126-S0500E0700	05:00-07:00	4.00		
DA-241126-S0700E0900	07:00-09:00	4.00		
DA-241126-S0900E1100	09:00-11:00	4.00		
DA-241126-S1100E1300	11:00-13:00	4.00		
DA-241126-S1300E1500	13:00-15:00	4.00		
DA-241126-S1500E1700	15:00-17:00	4.00		

On the right, the 'Market Depth' section shows 'No buyer orders available'. Below this, there is a table with columns for 'Qty (kWh)', 'Rate (₹)', and 'Orders'.

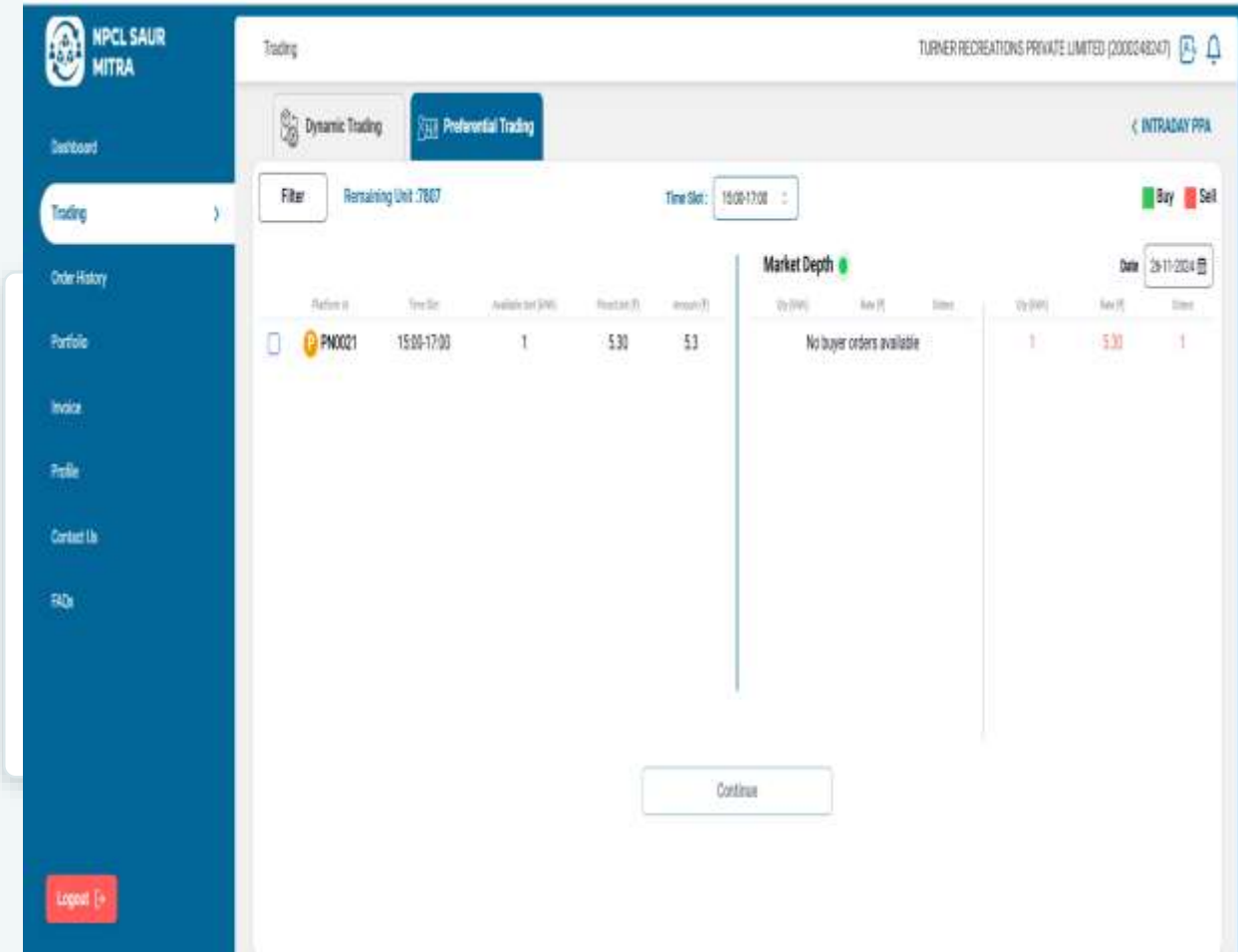
Qty (kWh)	Rate (₹)	Orders
2	5.00	1
5	6.00	1

At the bottom right, there is a 'Continue' button. The top right corner shows the user ID 'UN-7755232251 (7755232251)' and a notification icon.

THE MARKET

Preferential Trading

- Sell option for prosumers, Buy option for consumers — with a filter and the remaining units for the month.
- A list of participants with checkbox, time slot, price/unit, available units and amount.
- Consumers choose their trading partner — and can select multiple prosumers if one can't meet demand.
- Filter participants by price (high/low) or units (high/low).
- Market Depth shows buy depth (green) and sell depth (red) for the day.



THE MARKET

Placing a Market Order

1

From Trading, select Intraday or Day-Ahead PPA.

2

Choose order type Market and enter units only.

3

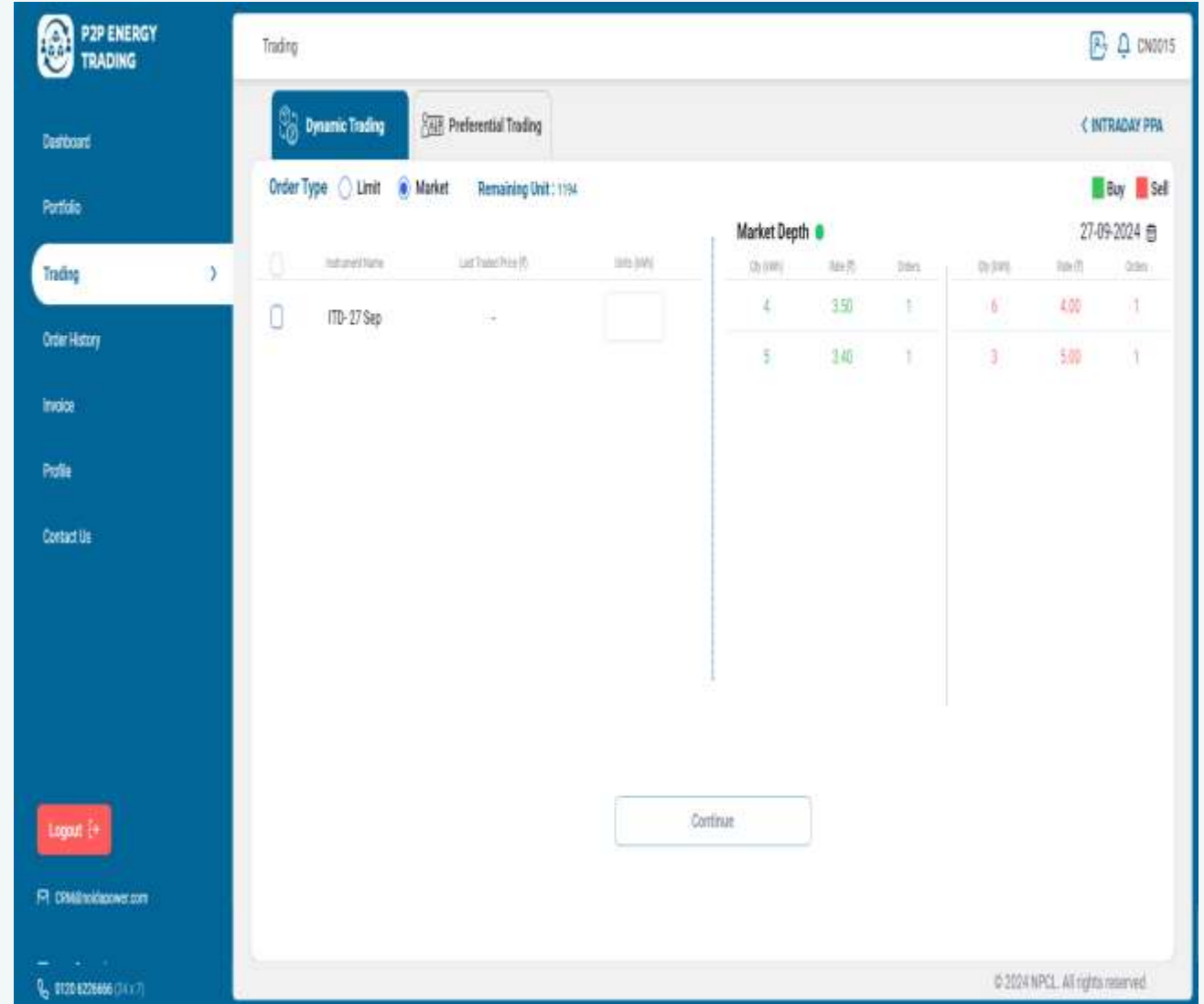
Click Continue — the trade executes at market price.

4

Review the estimated amount, then click Submit.

5

A "Request Submitted" pop-up appears; OK opens Order History.



The screenshot displays the P2P Energy Trading interface. On the left is a blue sidebar with navigation links: Dashboard, Portfolio, Trading (selected), Order History, Invoice, Profile, and Contact Us. At the bottom of the sidebar are a Logout button, an email address (CPM@noidapower.com), and a phone number (0120-6226666). The main content area is titled 'Trading' and includes tabs for Dynamic Trading and Preferential Trading. Below these, there's a section for 'Order Type' with radio buttons for Limit and Market (selected), and a 'Remaining Unit' of 1194. A table lists instruments, with 'ITD-27-Sep' selected. To the right, a 'Market Depth' table shows buy and sell orders. At the bottom right, a 'Continue' button is visible.

Order Type	Qty (MW)	Rate (₹)	Orders
Buy	4	3.50	1
Buy	5	3.40	1
Sell	6	4.00	1
Sell	3	5.00	1

THE MARKET

Placing a Limit Order — Confirmation

1

From Trading, select Intraday or Day-Ahead PPA.

2

Choose order type Limit.

3

Enter Units and Price (e.g. 4 units at ₹3.9).

4

Click Continue, review the estimate, then Submit.

5

A "Request Submitted" pop-up appears; OK opens Order History.

The screenshot displays the NPCL SAUR MITRA trading platform. The left sidebar contains navigation links: Dashboard, Trading (selected), Order History, Portfolio, Invoice, Profile, Contact Us, and FAQs. The main area is titled 'Trading' and shows the user's name 'RAMESH CHAND (200027447)' and a bell icon. Below the header, there are tabs for 'Dynamic Trading' and 'Preferential Trading'. The 'Order Type' is set to 'Limit', and the 'Monthly Remaining Unit' is 91.12. The 'Time Slot' is 07:00-09:00. The 'Buy' button is highlighted. The 'Market Depth' section shows 'No buyer orders available' and 'No seller orders available'. The 'Date' is set to 25-11-2024. A table lists several orders with columns for Instrument Name, Time Slot, Last Traded Price (₹), Rate (₹), and Units (MWh). The selected order is DA-241127-S090BE1100, with a time slot of 09:00-11:00, a last traded price of 5.50, a rate of 5.3, and 2 units. A 'Continue' button is at the bottom right.

Instrument Name	Time Slot	Last Traded Price (₹)	Rate (₹)	Units (MWh)
DA-241127-S070BE0900	07:00-09:00	5.20		
DA-241127-S090BE1100	09:00-11:00	5.50	5.3	2
DA-241127-S110BE1300	11:00-13:00	5.40		
DA-241127-S130BE1500	13:00-15:00	5.50		
DA-241127-S150BE1700	15:00-17:00	5.30		

THE MARKET

Order History

- Open Order History from the left menu — Pending orders show by default.
- Tabs for All and Settled orders; search by order ID and refresh on demand.
- Each order shows code, time slot, instrument, status, type, rate, units, amount and remaining units.
- Modify / Cancel are available only before execution.
- Click any order to view its blockchain transaction details.

NPCL SAUR MITRA

- Dashboard
- Trading
- Order History
- Portfolio
- Invoice
- Profile
- Contact Us
- FAQs

Order History

UN-7755232251 (7755232251)

Pending Settled **All**

Search

All Orders

100%	Order Code 0958	Time Slot 07:00-09:00	Instrument Name DA-241116-S0700E0900	Order Type Market	Modify
Buy	Quoted Rate (₹) 12.00	Unit (kWh) 4	Market Type Day Ahead	Status Completed	Cancel
0%	Order Code 0957	Time Slot 07:00-09:00	Instrument Name DA-241116-S0700E0900	Order Type Limit	Modify
Buy	Quoted Rate (₹) 5.40	Unit (kWh) 4	Market Type Day Ahead	Status Cancelled	Cancel
100%	Order Code 0955	Time Slot 05:00-07:00	Instrument Name DA-241116-S0500E0700	Order Type Limit	Modify
Buy	Quoted Rate (₹) 5.30	Unit (kWh) 4	Market Type Day Ahead	Status Completed	Cancel

THE MARKET

Verifying a Trade on the Blockchain

- Once an order is settled, check the settlement status on-chain via its transaction ID.
- The transaction details are displayed.
- Click "View in Blockchain Explorer" to open the full record.

×

Blockchain Details

Platform ID PN0001	Contract Date 16-11-2024	Contract Time Slot 07:00-09:00
Rate Per Unit ₹ 12.00	Trade Unit 4 kWh	Trade Amount ₹ 48.00
Settled Unit 4.00 kWh	Settled Amount ₹ 48.00	Status Settlement Done
Is Endorsed Yes		
Remarks Trade is Scheduled.		
Transaction Address af736736e102d125552991afdcce1beb5d6b81dc2c1149c4dcc6f83649428b01 		

Close

VIEW IN BLOCKCHAIN EXPLORE

THE MARKET

Modifying an Order

- Open Order History from the left menu to see your orders.
- Click Modify on an order before it executes.
- Adjust the price and quantity, then click Modify Order to update.

Note: an order can be modified or cancelled only before it is executed.

×

Modify Order

Enter Price (₹)

3.9

Enter Quantity (kWh)

4

Close

Modify Order

THE MARKET

Invoicing & Settlement

- Open Invoice from the left menu — Sell view for prosumers, Buy view for consumers.
- Pick a date range to fetch invoice and daily transaction reports.
- Invoices generate once a month, only after transactions settle.

BILL TYPES

No Imbalance

Under Injection

Over Injection

Under Drawl

Over Drawl



- Dashboard
- Trading
- Order History
- Portfolio
- Invoice**
- Profile
- Contact Us
- FAQs
- Logout

Invoice

UN-7755232251 (7755232251)

Nov 01, 2024 - Nov 25, 2024

Bill Type : No Imbalance

Scheduled Energy On Platform	14 kWh	Energy Purchased From Platform	14 kWh
Underdrawal Units	0 kWh	Mutually Agreed Transaction Price	₹ 7.35
Discom Rate Code	₹ 7.30	Service Provider Charge	₹ 1.94
Wheeling Charges	₹ 12.88	Energy Charges	₹ 102.88
Underdrawal Charges	₹ 0.00	Total Payable Towards Platform Energy	₹ 118.70
Net Benefit	₹ -16.50		

Daily Transactions Report
Daily Transactional

Sr No	Date	Time Slot	Scheduled Units (kWh)	Platform Purchased Units (kWh)	Underdrawal Units (kWh)	Mutually Agreed Price (₹)	Energy Charges (₹)	Underdrawal Charges (₹)	Wheeling Charges (₹)
1	16-11-2024	07:00-09:00	4.00	4.00	-	12.00	48.00	-	3.68
2	16-11-2024	05:00-07:00	4.00	4.00	-	5.30	21.20	-	3.68
3	16-11-2024	09:00-11:00	2.00	2.00	-	5.44	10.88	-	1.84
4	15-11-2024	13:00-15:00	4.00	4.00	-	5.70	22.80	-	3.68

BILLING

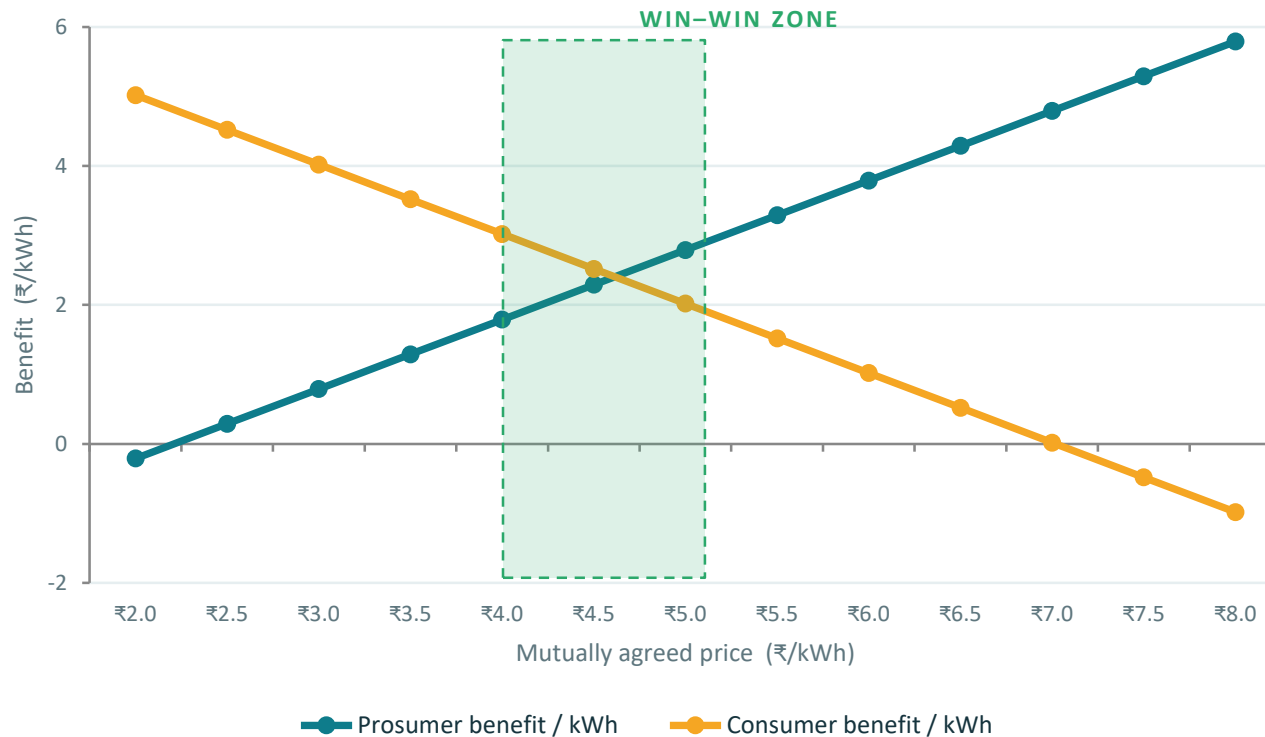
P2P CHARGES

SL. NO.	CHARGES	VALUE
1	Mutually Agreed Transaction Price	As agreed between P2P Prosumer & Consumer
2	Energy Demand Charges	As per UPERC Tariff Order
3	Transaction Charge	Fees charged by Service Provider for P2 solar energy transaction on P2P platform, as prescribed by the Commission.
4	Open Access Charges	
A	Wheeling Charges	As per UPERC Tariff Order
B	Additional Surcharge	Nil
C	Charges for Difference between schedule vs Actual	
C.1	Under Injection of Energy by P2P Prosumer	Payment -equivalent to difference between energy by the P2P energy charges as per rate schedule and Prosumer mutually agreed price on P2P Platform by P2P Prosumer
C.2	Over Injection of Energy by P2P Prosumer	Settlement of excess energy shall be done as by the Prosumer per the gross/net-meter /net-feed in arrangement of Prosumer. If no schedule is submitted by Prosumer, then the energy injected by him on nth day shall be adjusted as per the gross/netmeter /net-feed in arrangement of Prosumer.
C.3	Under Drawl of Energy by P2P Consumer	Full payment of quantum of energy pledged by P2P Consumer by it on P2P platform to the P2P Prosumer/s)
C.4	Over Drawl of Energy by P2P Consumer	No penal charges. However, settlement shall P2P Consumer be done as per Note 1 below.

COMMERCIAL VIABILITY

The Win-Win Price Band

A market-discovered price of ₹4.0–5.0 per unit is the commercial sweet spot — even the domestic consumer saves ~20% on today's retail tariff while the prosumer earns well above the net-billing export value..



THE DEAL ZONE

₹4.0–5.0 /kWh



Prosumer earns ₹1.5–2.5/unit — above the net-billing export value.



Consumer saves ₹1.5–2.5/unit — about 20% off the retail tariff.



Below ₹4 the prosumer's margin thins; above ₹5.5 the consumer's saving erodes.

ACCOUNT

Profile

- Open Profile from the left menu to view your profile details.
- Change Password lets the user update their password.

Note: profile details cannot be edited directly on the P2P platform.

Platform Id : **PN0001**

 Prosumer

 Current Status: **Live**

 **Profile Details** >

OTHER DETAILS

 Notification >

 Change Password >

PROFILE DETAILS

	Full Name	Mohammed Arif Ansari
	Email Id	aarif@orangepowercurrent.com
	Mobile No	+91-8291616097
	Consumer No.	9100401801
	Address	086,PHI-03
	Contract Account	9100401801
	Contract Number	9100401801

LOAD DETAILS

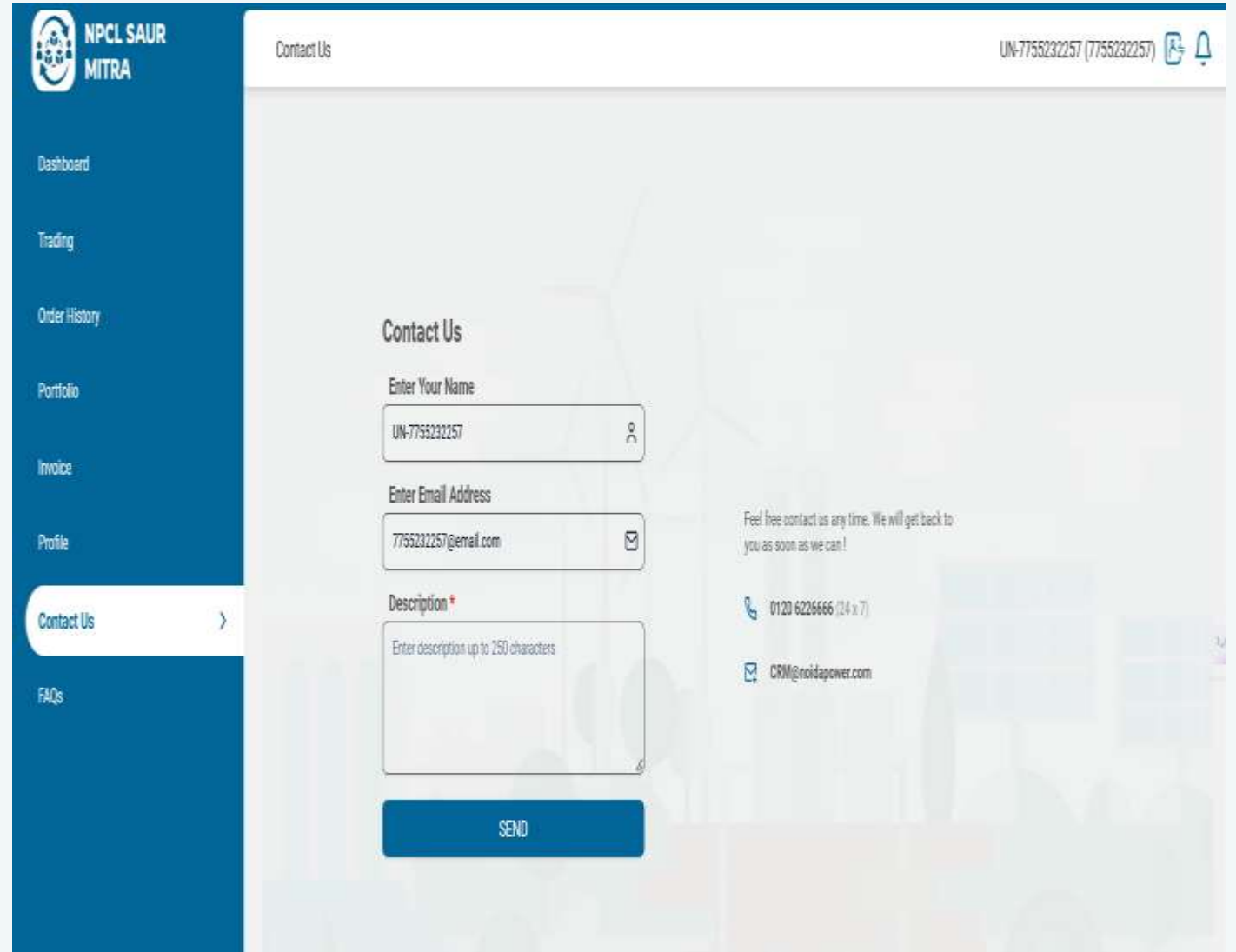
Sanctioned Load / Contractual Load	7 KW
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ACCOUNT

Contact Us

- **Your Name** — auto-filled; editable by the prosumer or consumer.
- **Email Address** — auto-filled; editable.
- **Description** — a free-text box, a Send button and contact details.

Note: P2P-related complaints are currently handled only through this channel.



NPCL SAUR MITRA

Contact Us

UN-7755232257 (7755232257)

Dashboard

Trading

Order History

Portfolio

Invoice

Profile

Contact Us

FAQs

Contact Us

Enter Your Name

UN-7755232257

Enter Email Address

7755232257@gmail.com

Description *

Enter description up to 250 characters

SEND

Feel free contact us any time. We will get back to you as soon as we can!

0120 6226666 (24 x 7)

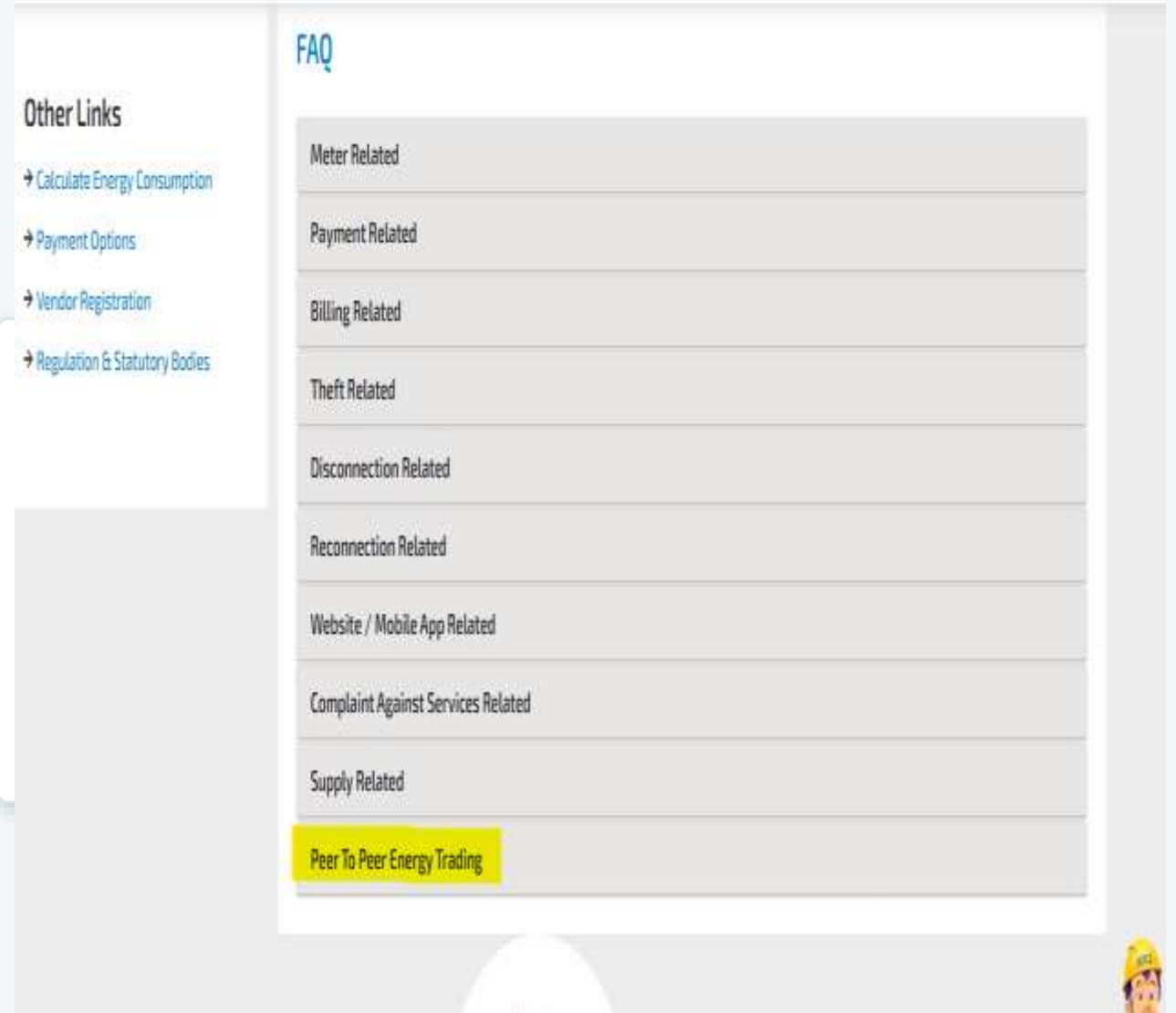
CRM@noidapower.com

Frequently Asked Questions

A dedicated FAQ section answers common questions about Peer-to-Peer Energy Trading.



Visit noidapower.com/faq





Thank You

Towards a decentralized, transparent and sustainable energy market.

Noida Power Company Limited (NPCL)

noidapower.com · AIDA Workshop, 23 June 2026